



CP202-02 '12 Residential Plumbing Inspector (14)



Course Code:	CP202-02
Course:	'12 Residential Plumbing Inspector
Hours:	14 Hours
Designed For:	Plumbing Inspectors, Building Designers, Fire Officials, Fire Inspectors, Building Officials, Building Inspectors, Plan Reviewers, and Contractors.
Prerequisites:	N/A
Class Size:	N/A
Restrictions:	N/A
Fee:	\$108.00
State Recert #:	TBD

Course Description: This course focuses on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to assure the minimum requirements for residential plumbing are met. This course deals with the use of the code, basic plumbing terminology and how to perform various plumbing calculations.

Course Goals: To provide the student with an understanding of the plumbing portions 2012 International Residential Code regarding the installation of all commercial plumbing equipment, water distribution, drainage and venting.

Course Objectives:

The Student should come away with a firm understanding of:

1. General Requirements
2. Fixtures
3. Water Heaters
4. Water Supply and Distribution
5. Sanitary Drainage
6. Vents
7. Traps, Interceptors, Separators.
8. Storage Systems
9. Storm Drainage

REQUIRED STUDENT MATERIALS

Pen, Pencil, Paper and Highlighter

REQUIRED INSTRUCTOR MATERIALS

N/A

REFERENCES

2012 International Residential Code

METHODS OF EVALUATION

N/A

Syllabus

- I. Pretest**
- II. General**
 - a. **Piping Installation, Support and Penetrations**
 - b. **Piping Protection**
 - c. **Required Tests of Plumbing Systems**
 - d. **Plan Reading**
- III. Fixtures**
 - a. **Fixture and Material Approvals**
 - b. **Location, Clearance, Access and Installation**
 - c. **Flow Rates**
- IV. Water Heaters**
 - a. **Installation Requirements**
 - b. **Gas Piping, Combustion Air and Venting**
- V. Water Supply and Distribution**
 - a. **Material, Joints and Connections**
 - b. **Identification, Sizing and Valving**
 - c. **Back Flow Preventers and Contamination**
- VI. Sanitary Drainage**
 - a. **Sizing the System**
 - b. **Materials and Fittings**
 - c. **Sumps, Ejectors and Cleanouts**
 - d. **Indirect Waste**
- VII. Vents**
 - a. **Grade, Materials and Connections**
 - b. **Sizing, Methods and Installation**
- XI. Storm Drainage**
 - a. **Material Sizing**
 - b. **Installation**
 - c. **Sub-Soil and Drainage**